





Title		
Quad PWM Shutter Controller		
Size	Document Number	Rev
A3	Front_Panel.SCH	0.0
Date:	Tuesday, July 31, 2007	Sheet 1 of 4

1: Quad PWM Shutter Controller Revised: Wednesday, August 08, 2007

2: 4_Canali Revision: 0.1

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5:
6:
7:
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10: Bill Of Materials August 8,2007 15:10:18 Page1

11:

12: Item Quantity Reference Description Part

13: _____

14:

15:	1	10	C1,C2,C3,C4,C9,C10,C11,	Ceramic Capacitor 50V	100n
16:			C12,C13,C20		
17:	2	5	C5,C6,C7,C8,C19	Ceramic Capacitor 50V	10n
18:	3	4	C14,C15,C17,C18	Tantalum Cap. 25V	10u
19:	4	1	C16	Elettrol. Cap. 25V	4700u
20:	5	4	D1,D2,D3,D4	Diode 1N4148	
21:	6	16	JS1,JP1,JS2,JP2,JS3,JP3,	Connector HEADER	3
22:			JS4,JP4,JS5,JP5,JS6,JP6,		
23:			JS7,JP7,JS8,JP8		
24:	7	1	J1	Connector DIN41612_H15	
25:	8	4	J2,J4,J6,J8	Connector BNC	
26:	9	4	J3,J5,J7,J9	Connector DIN41524	
27:	10	2	L2,L1	Inductor VK200	
28:	11	4	Q1,Q2,Q3,Q4	Transistor BC337	
29:	12	4	RL1,RL2,RL3,RL4	Rele REED REED 1V2P 5V	
30:	13	8	R1,R2,R3,R4,R21,R22,R23,	Resistor 0.25W 1%	10K
31:			R24		
32:	14	9	R5,R6,R7,R8,R17,R18,R19,	Resistor 0.25W 1%	2K7
33:			R20,R26		
34:	15	8	R9,R10,R11,R12,R13,R14,	Trimmer 20K	
35:			R15,R16		
36:	16	1	R25	Trimmer 200K	
37:	17	4	R27,R28,R29,R30	Resistor 0.25W 1%	1K
38:	18	4	R31,R32,R33,R34	OR	
39:	19	4	S1,S2,S3,S4	Switch SW DPDT	
40:	20	5	U1,U2,U3,U4,U5	Integrated Circuit NE555	
41:	21	1	U6	Integrated Circuit LM7805	
42:					